

WHAT IS CLAIMED IS:

1. A process of effecting various anti compensation processes on input image on a plasma display panel, said process comprising the steps of:

a) performing a gamma compensation process on a video signal received by said PDP with respect to a first gamma;

b) dividing said video signal into at least two segments based on a gray level thereof; and

c) performing a variety of anti compensation processes on said video signal in respective segment.

2. The process of claim 1, wherein in said step c) a second gamma smaller than said first gamma is used in said anti compensation process with respect to said video signal in a range of low gray level for increasing said gray level in said range of low gray level.

3. The process of claim 1, wherein in said step c) a third gamma larger than said first gamma is used in said anti compensation process with respect to said video signal in a range of high gray level for increasing a gradient in said range of high gray level, thereby obtaining a sharp contrast of said image.

4. The process of claim 3, wherein said gamma compensation process has been performed on said video signal received by said PDP in a following equation:

$$\text{brightness} = k_1 \times (V_{\text{INPUT}}/V_{\text{MAX}})^{\gamma}$$

where $\gamma = 2.2$, k_1 is a variable representing a gray level of a color television (TV), V_{INPUT} is input voltage, and V_{MAX} is a maximum voltage for showing said maximum gray level of said color TV.

5. The process of claim 4, wherein a fourth gamma smaller than 2.2 is used in said anti compensation process with respect to said video signal in said range of low gray level.

